

					DOCKET NO.: MCS-034-03		SERIAL NO.: 10/649,382	
					INVENTOR: Jojic et al.			
					FILING DATE: August 27, 2003		GROUP: 2624 2624	
U.S. PATENT DOCUMENTS								
*Examiner Initial	Ref.	Document Number	Date	Name	Class	Subclass	Filing Date (If Appropriate)	
/D.R./	A1	10/294,211		Jojic et al.			11/14/2002	
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation Yes No	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
/D.R./	A2	Bauer, E., D. Coller and Y. Singer, Update rules for parameter estimation in Bayesian networks, <i>Proc. of the 13th UAI</i> , Providence, Rhode Island, August 1-3, 1997, pp. 3-13.						
	A3	Black, M. J., and D. J. Fleet, Probabilistic detection and tracking of motion discontinuities, <i>Int'l. J. on Comp. Vision</i> , 2000.						
	A4	Frey, B., and N. Jojic, Fast, large-scale transformation-invariant clustering, <i>Advances in Neural Information Processing Systems</i> , (NIPS 2001), 14, Cambridge, MA, MIT Press 2002.						
	A5	Frey, B., and N. Jojic, Estimating mixture models of images and inferring spatial transformations using the EM algorithm, <i>Comp. Vision and Pattern Recognition (CVPR)</i> , Fort Collins, June 23-25, 1999, pp. 416-422.						
	A6	Jepson, A., and M. J. Black, Mixture models for optical flow computation, <i>Proc. of the IEEE Conf. on Comp. Vision and Pattern Recognition</i> , June 1993, pp. 760-761.						
	A7	Jojic, N., and B. Frey, Learning flexible sprites in video layers, <i>IEEE Conf. on Comp. Vision and Pattern Recognition (CVPR)</i> , 2001.						
	A8	Jojic, N., N. Petrovic, B. Frey and T. Huang, Transformed hidden Markov models: Estimating mixture models and inferring spatial transformations in video sequences, <i>IEEE Conf. on Comp. Vision and Pattern Recognition (CVPR)</i> , 2000.						
	A9	Neal, R. M., and G. E. Hinton, A view of the EM algorithm that justifies incremental, sparse and other variants, <i>Learning in Graphical Models</i> , Kluwer Academic Publishers, Norwell MA, 1998, Ed. M. I. Jordan, pp. 355-368.						
	A10	Tao, H., R. Kumar and H. S. Sawhney, Dynamic layer representation with applications to tracking, <i>Proc. of the IEEE Conf. on Comp. Vision and Pattern Recognition</i> , 2000.						
	A11	Torr, P., R. Szeliski, and P. Anandan, An integrated Bayesian approach to layer extraction from image sequences, <i>IEEE Trans. on Pattern Analysis and Mach. Intelligence</i> , 2001, vol. 23, no. 3, pp. 297-303.						
	A12	Wang, J. Y., and E. H. Adelson, Representing moving images with layers, <i>IEEE Trans. on Image Processing</i> , 1994, vol. 3, no. 5, pp. 625-638.						
	A13	Wolf, J. K., A. M. Viterbi and G. S. Dixon, Finding the best set of K paths through a trellis with application to multitarget tracking, <i>IEEE Trans. on Aerospace & Elect. Sys.</i> , March 1989, vol. 25, no. 2, pp. 287-296.						
EXAMINER:		/David Rashid/		DATE CONSIDERED: 09/17/2007				

*EXAMINER: Initial if any reference considered, whether or not the citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.